

CCSA PRESS RELEASE
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For Immediate Release



**Carbon Capture &
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80% target cannot be met without Carbon Capture & Storage (CCS)

The Carbon Capture and Storage Association (CCSA) has welcomed today's decision by the Secretary of State to commit to an 80 per cent reduction on 1990 levels for all greenhouse gases by 2050.

The organisation believes Carbon Capture and Storage (CCS) technology is vital if the UK is going to meet this target.

Dr Jeff Chapman, Chief Executive of the CCSA, comments:

"We welcome today's decision by the Secretary of State to introduce a more stringent, 80 per cent target for 2050. It will prove a challenge for the UK."

"However, if the UK is to stand any chance of meeting this ambitious goal, it is essential that CCS technology is developed without further delay. Fossil fuels will remain the backbone of the UK's energy mix, even as we approach 2050, and CCS is the only viable way to prevent these carbon emissions from entering the atmosphere."

"CCS, which is capable of eradicating 85-90% of the carbon emissions associated with conventional fossil fuel power generation, must be part of the climate change solution. This technology is viable, safe and ready, but we need to guarantee investment into more than one CCS demonstration project otherwise we won't get on track to delivering this ambitious new 2050 emissions target."

"The CCSA looks forward to working with the UK Government to ensure CCS plays a significant role in addressing these new emissions goals."



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Notes to Editors:

1. The Department for Business, Enterprise and Regulatory Reform (BERR) has published a consultation paper on the development of CCS technology. The Government has also announced a short list for a competition to build the UK's first commercial scale CCS project
<http://www.berr.gov.uk/energy/sources/sustainable/carbon-abatement-tech/ccs-demo/page40961.html>.
2. The Carbon Capture and Storage Association exists to represent the interests of its members in promoting the Business of Carbon Capture and Storage (CCS). The Association works to raise awareness, both in the UK and internationally, of the benefits of CCS as a viable climate change mitigation option, and the role of CCS in moving towards a low-carbon global economy.
3. Carbon Capture and Storage (CCS) is a process by which Carbon dioxide (CO₂) is separated from industrial and energy-related sources, either pre- or post-combustion, then transported via pipelines to either an onshore or offshore underground storage site. These storage sites can be of three types; gas reservoirs, oil reservoirs and deep saline aquifers. CCS can also be used for Enhanced Oil Recovery (EOR), a process in which CO₂ is injected into near-depleted oil reservoirs, thereby facilitating the recovery of large quantities of additional oil. It is cost-effective and it retains the essential flexibility of fossil fuel power generation.
4. CCS can remove 85-90% of the carbon emissions associated with conventional fossil-fuel power generation, such as coal- or gas-fired.
5. The UK has at least 10 proposals for power projects incorporating CCS in the public domain, ranging from technologies using pre-combustion as well as post-combustion capture as well advanced oxyfuel combustion. The total power generating capacity is 12,500 MW and the annual amount of CO₂ stored is approximately 60 million tonnes.
6. The CCSA has produced a position paper on providing incentives for the development of CCS technology. Copies are available through Paul Afshar (details below).

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